

BLUESTAR® PBT 201-G20202

Polybutylene Terephthalate

Nantong Zhonglan Engineering Plastics Co., Ltd.

Message:

BLUESTAR® PBT 201-G20202 is a Polybutylene Terephthalate (PBT) product filled with 20% glass fiber. It is available in Asia Pacific or North America. Applications of BLUESTAR® PBT 201-G20202 include electrical/electronic applications and lighting applications. Primary characteristic: flame rated.

General Information			
UL YellowCard	E255317-100032018		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Uses	Electrical/Electronic Applications		
	Lighting Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	24	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.40	%	
Across Flow	1.1	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.18	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9300	MPa	ASTM D638
Tensile Strength (Break)	106	MPa	ASTM D638
Flexural Modulus	7000	MPa	ASTM D790
Flexural Strength	160	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	8.00	kJ/m ²	ASTM D256
Unnotched Izod Impact (Area) (23°C)	50.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	212	°C	
1.8 MPa, Unannealed	203	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.2E+16	ohms·cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-0		

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